## **Refine Search**

#### Search Results -

Terms	Documents
L2 and (\$10conductive with (core or inner\$4 or inside or interior))	1

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database

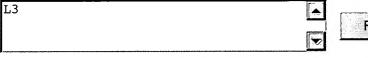
Database:

EPO Abstracts Database
JPO Abstracts Database

Derwent World Patents Index

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Search:



Refine Search

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## **Search History**

DATE: Friday, April 01, 2005 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> <u>Count</u>	Set Name result set	col
DB=D	OWPI; PLUR=YES; OP=ADJ		/ "	
<u>L3</u>	L2 and (\$10conductive with (core or inner\$4 or inside or interior))	(1)	) <u>L3</u>	
<u>L2</u>	L1 and \$10conductive	10	<u>L2</u>	
<u>L1</u>	(hose or conduit or tub\$3) and (\$4butylene terephthalate or \$4butylene naphth\$8)	243	<u>L1</u>	

**END OF SEARCH HISTORY** 

# Freeform Search

Database:	US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins
Term:	L7 and (\$8conductiv\$5 with (inside or inner\$4 or internal or interior or core))
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## **Search History**

DATE: Friday, April 01, 2005 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> Count	Set Name result set
DB=Pe	GPB,USPT; PLUR=YES; OP=ADJ		
<u>L8</u>	L7 and (\$8conductiv\$5 with (inside or inner\$4 or internal or interior or core))	75	<u>L8</u>
<u>L7</u>	L6 and (\$5layer or lamina\$4)	554	<u>L7</u>
<u>L6</u>	L5 and (\$4butylene or \$4butane\$1diol or \$4butanol)	578	<u>L6</u>
<u>L5</u>	L4 and (terephthal\$3 or naphthal\$5 or naphthalen\$3)	1094	<u>L5</u>
<u>L4</u>	L3 and conductiv\$5	4071	<u>L4</u>
<u>L3</u>	L2 or L1	30852	<u>L3</u>
<u>L2</u>	428/36.4	591	<u>L2</u>
<u>L1</u>	428-36.4 or 428/36.8 or 428/480 or 428/483 or 138/\$10	30422	<u>L1</u>

**END OF SEARCH HISTORY** 

## **Refine Search**

#### Search Results -

Terms	Documents	
L9 and dimer acid	0	

US Pre-Grant Publication Full-Text Database US Patents Full-Text Database

Database:

US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins

Search:

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## **Search History**

DATE: Friday, April 01, 2005 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> Count	Set Name result set
DB=B	PGPB,USPT; PLUR=YES; OP=ADJ		
<u>L10</u>	L9 and dimer acid	0	<u>L10</u>
<u>L9</u>	L8 and ((1990 or 1991 or 1992 or 1993 or 1994 or 1995 or 1996 or 1997 or 1998 or 1999 or 2000 or 2001 or 2002).py.)	40	<u>L9</u>
<u>L8</u>	L7 and (\$8conductiv\$5 with (inside or inner\$4 or internal or interior or core))	75	<u>L8</u>
<u>L7</u>	L6 and (\$5layer or lamina\$4)	554	<u>L7</u>
<u>L6</u>	L5 and (\$4butylene or \$4butane\$1diol or \$4butanol)	578	<u>L6</u>
<u>L5</u>	L4 and (terephthal\$3 or naphthal\$5 or naphthalen\$3)	1094	<u>L5</u>
<u>L4</u>	L3 and conductiv\$5	4071	<u>L4</u>
<u>L3</u>	L2 or L1	30852	<u>L3</u>
<u>L2</u>	428/36.4	591	<u>L2</u>
<u>L1</u>	428-36.4 or 428/36.8 or 428/480 or 428/483 or 138/\$10	30422	<u>L1</u>

# Freeform Search

T e Di	US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins  L1 and dimer acid  Erm:  Starting with Number acid:  C Hit List  Hit Count  Side by Side  Image	mber 1	
	Search Clear Interrupt		
	Search History		
DATE:	Friday, April 01, 2005 Printable Copy Create Case		
Set Name side by side	Query	Hit Count	Set Name result set
	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=ADJ		
<u>L2</u>	L1 and dimer acid	1	<u>L2</u>
<u>L1</u>	\$4butylene \$10ate and (copolyester or copolymer) and (tub\$3 or hose or conduit)	25	<u>L1</u>

END OF SEARCH HISTORY

Day : Friday Date: 4/1/2005 Time: 08:16:02

# Inventor Information for 10/617731

	The state of the s	The second secon		
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MOROHOSHI, KATSUMI	KANAGAWA	JAPAN		
FUJINUMA, YUICHI	KANAGAWA	JAPAN		
Appln Info   Contents   Petition Info	Atty/Agent Info	Continuity Data	Foreign Data	
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PCT / Search or PG PUBS # Search				
Attorney Docket # Search				
Bar Code # Search				

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## **Patent Assignment Abstract of Title**

**Total Assignments: 1** 

Application #: 10617731 Filing Dt: 07/14/2003 Patent #: NONE Issue Dt:

PCT #: NONE Publication #: <u>US20040018328</u> Pub Dt: 01/29/

Inventors: Mitsuo Yamada, Hiroshi Kumagai, Katsumi Morohoshi, Yuichi Fujinuma

Title: Resinous tube and fuel system piping tube

Assignment: 1

**Reel/Frame:** 014272/0843 Received: Recorded: 07/14/2003 Mailed: 01/21/2004 Pag

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: YAMADA, MITSUO Exec Dt: 06/18/2003

<u>KUMAGAI, HIROSHI</u>
<u>MOROHOSHI, KATSUMI</u> **Exec Dt:** 06/23/2003 **Exec Dt:** 06/11/2003

FUJINUMA, YUICHI Exec Dt: 06/23/2003

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Search Results as of: 4/1/2005 8:15:19 A.M.

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